



INVESTOR IN PEOPLE

© EPODOC / EPO

PN - JP9074296 A 19970318
PD - 1997-03-18
PR - JP19950228395 19950905
OPD - 1995-09-05
TI - WALL STRUCTURE CAPABLE OF REDUCING RADIO WAVE INTERFERENCE
IN - SHOTAKA ATSUSHI; AOYANAGI TORU; ZAMA AKIHIRO
PA - OHBAYASHI CORP
IC - H05K9/00 ; E04B1/92 ; E04B2/90
FT - 2E001/EA02 ; 2E001/EA03 ; 2E001/FA04 ; 2E001/FA09 ; 2E001/GA07 ;
2E001/GA11 ; 2E001/GA15 ; 2E001/GA16 ; 2E001/GA22 ; 2E001/GA32 ;
2E001/GA42 ; 2E001/HB01 ; 2E001/KA01 ; 2E001/KA03
- 2E002/NA00 ; 2E002/NB00 ; 2E002/PA04 ; 2E002/PA09 ; 2E002/WA00 ;
2E002/XA01
- 5E321/AA44 ; 5E321/GG11

© WPI / DERWENT

TI - Wall structure of building for prevention of block degradation of TV signal - uses reflector with saw tooth type cross section to reflect and deviate EM wave towards key
PR - JP19950228395 19950905
PN - JP9074296 A 19970318 DW199721 H05K9/00 003pp
PA - (OHBA) OHBAYASHI GUMI KK
IC - E04B1/92 ; E04B2/90 ; H05K9/00
AB - J09074296 The wall structure (10) consists of an armour material (14) and an electromagnetic wave reflector sheet (16) located between the external surface of the concrete wall (1) of the building. The reflecting surface of the reflector has a saw tooth type cross section. The inclined surface with the larger dimension subtracts an angle of alpha with reference to the base sheet (20).
- The smaller triangle of the saw tooth part is made of the same material as the base sheet. The value of alpha is set between 10 deg and 12 deg. The interfering EM wave is incident on the inclined surface is reflected back.
- ADVANTAGE - Prevents occurrence ratio or EM interference due to reflection since interfering EM wave is reflected towards sky.
- (Dwg.1/3)
OPD - 1995-09-05
AN - 1997-233665 [21]

© PAJ / JPO



INVESTOR IN PEOPLE

PN - JP9074296 A 19970318
PD - 1997-03-18
AP - JP19950228395 19950905
IN - SHOTAKA ATSUSHI; AOYANAGI TORU; ZAMA AKIHIRO
PA - OHBAYASHI CORP
TI - WALL STRUCTURE CAPABLE OF REDUCING RADIO WAVE INTERFERENCE
AB - PROBLEM TO BE SOLVED: To enable the main beam of reflected radio waves of broadcast radio waves arriving from a transmission antenna provided higher than a building to be directed downwards so as to reach easily to the surface of an area in the vicinity of the building by a method wherein a radio wave reflector buried in the outer wall of the building is mounted in a vertical position.
- SOLUTION: A radio wave interfere reduction wall 10 has such a structure that a sheathing material 14 through which radio waves penetrate easily is arranged outside a concrete wall 18, and a radio wave reflector 16 is disposed between the sheathing material 14 and the concrete wall 18. The reflecting surface of the radio wave reflector 16 is composed of a large number of unit, bodies 16a which are possessed of sloping surfaces that are orientated so as to face obliquely upwards (angle of inclination $\alpha = 10 \text{ deg. to } 12 \text{ deg.}$) and combined like saw-teeth. Radio waves reflected from the unit bodies 16a are made to travel obliquely upwards.
I - H05K9/00 ;E04B1/92 ;E04B2/90